

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<b>AIRPORT ID</b> MKT	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 4	<b>ORIGINAL/AMENDMENT</b> 1	<b>CITY</b> MANKATO	<b>STATE</b> MN
<b>AIRPORT ELEVATION</b> 1021	<b>TDZE</b> 1018	<b>SUPERSEDED</b> RNAV (GPS) RWY 4	<b>DATED</b> 10/07/2021	<b>MAG VAR</b> 0E
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 30 NOVEMBER 2023	<b>REQUIRED EFFECTIVE DATE</b> 11/30/2023	<b>EPOCH YEAR</b> 2025
		<b>ORIG-AMENDMENT</b> ORIG-B		<b>CANCEL/SUSPEND</b>

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 317/30 CW 137/30	NOPT	317/6 CW 137/6		3200
2. 317/6 CW 137/6		KABGE	IF/IAF	2700
3. 137/30 CW 227/30		APCHY	IAF	2800
4. 227/30 CW 317/30		DIJZE	IAF	2900

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
APCHY	IAF	KABGE	NOPT	TF	FB	1.00	137.14	5.00	2700
DIJZE	IAF	KABGE	NOPT	TF	FB	1.00	317.25	5.00	2700
KABGE	IF/IAF	OBMAH		TF	FB	1.00	047.20	6.20	2500
OBMAH	FAF	RW04	MAP	TF	FO	0.30	047.28	4.51	
RW04	MAP	1421 MSL		CA			047.28		
1421 MSL		KABGE		DF	FO	1.00			2700

**MISSED APPROACH**

**MAP:**

LNAV: RW04

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING LEFT TURN TO 2700 DIRECT KABGE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. **PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF** (IAF)
- 2. HOLD SW KABGE, RT, 047.20 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 047.28                      **FAF:** OBMAH                      **DIST FAF TO MAP:** 4.51                      **DIST FAF TO THLD:** 4.51
- 4. **MIN ALT:** KABGE 2700, OBMAH 2500
- 5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **GS ANT:**
- 6. **MIN GP INCPT:**                      **GP ALT AT FAF:**                      **OM:**                      **MM:**                      **IM:**
- 7. **GP ANGLE:**                      **34:1:** IS CLEAR                      **20:1:** IS CLEAR                      **TCH:**
- 8. **MSA FROM:**

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART SPEED ICON IN PLANVIEW AT APCHY: MAX 210 KIAS.

CHART SPEED ICON IN PLANVIEW AT DIJZE: MAX 210 KIAS.

**ADDITIONAL FLIGHT DATA:**

CHART 1362 TOWER 441053N/0940146W.  
 CHART FAS OBST: 1237 TOWER (27-001219) 441106N/0935826W.  
 CHART VDP AT 1.54 NM TO RW04.  
 OBMAH TO RW04: 3.04/39.

**MINIMUMS:**

**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT**

**ALTERNATE:** NA  STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LNAV MDA	1540	1	522	1540	1	522	1540	1 1/2	522		NA				
CIRCLING	1540	1	519	1540	1	519	1600	1 1/2	579		NA				



**CHANGES - REASONS**

1. MAGVAR CHANGED FROM 4E/1985 TO 0E/2025 – MAGVAR UPDATED PER FPT/ATC REQUEST.
2. TAA CHANGED FROM "313/30 CW 133/30 TO 313/6 CW 133/6" TO "317/30 CW 137/30 TO 317/6 CW 137/6" - MAGVAR.
3. TAA CHANGED FROM "313/6 CW 133/6 TO KABGE" TO "317/6 CW 137/6 TO KABGE" - MAGVAR.
4. TAA CHANGED FROM "133/30 CW 223/30 TO APCHY" TO "137/30 CW 227/30 TO APCHY" - MAGVAR.
5. TAA CHANGED FROM "223/30 CW 313/30 TO DIJZE" TO "227/30 CW 317/30 TO DIJZE" - MAGVAR.
6. TERMINAL ROUTES: CHANGED APCHY TO KABGE COURSE FROM "133.14" TO "137.14" - MAGVAR.
7. TERMINAL ROUTES: CHANGED DIJZE TO KABGE COURSE FROM "313.25" TO "317.25" - MAGVAR.
8. TERMINAL ROUTES: CHANGED KABGE TO OBMAH COURSE FROM "043.20" TO "047.20" - MAGVAR.
9. TERMINAL ROUTES: CHANGED OBMAH TO RW04 COURSE FROM "043.28" TO "047.28" - MAGVAR.
10. TERMINAL ROUTES: CHANGED RWY04 TO 1421 MSL COURSE FROM "043.28" TO "047.28" - MAGVAR.
11. PROFILE LINE 2: CHANGED INBOUND HOLDING COURSE FROM 043.20 TO 047.20 - MAGVAR.
12. PROFILE LINE 3: CHANGED FAC FROM 043.28 TO 047.28 - MAGVAR.
13. PBN REQUIREMENTS NOTE: CHANGED FROM "RNP APCH" TO "RNP APCH - GPS" – IAW 8260-19I, 8-6-8.(B)(2).
14. ADDED NOTE: "CHART SPEED ICON IN PLANVIEW AT APCHY: MAX 210 KIAS" – PER ATC REQUEST.
15. ADDED NOTE: "CHART SPEED ICON IN PLANVIEW AT DIJZE: MAX 210 KIAS" – PER ATC REQUEST.
16. ADDITIONAL FLIGHT DATA: ADDED THE OBSTACLE ID TO THE FAS OBSTACLE NOTE - IAW 8260.19I, 8-6-10.C NOTE.
17. ADDITIONAL FLIGHT DATA: REMOVED "CHART 1362 TOWER 441053N/0940146W" - 7:1 NOT TAKEN.

10/18/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 3/30/2023:  
 1: REQUIRED EFFECTIVE DATE: CHANGED FROM ROUTINE TO 11/30/2023.

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA  OTHER: ZMP, AMGR

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by*

**DAVID DANNER**

Oct 23, 2023

**OFFICE**

**DATE**

**DEVELOPED BY**

JASON KRETSCHMER (PHILLIP T. HILL01)

*Digitally signed by*

**DAVID DANNER**

Oct 23, 2023

**OFFICE**

AJV-A421

**DATE**

03/30/2023

**APPROVED BY**

JASON KRETSCHMER

*Digitally signed by*

**DAVID DANNER**

Oct 23, 2023

**OFFICE**

AJV-A420

**DATE**

**TITLE**  
MANAGER

